

*** GRAIN-SIZE ANALYSES REPORT ***
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WN-19 0'

| PHI (MM) | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|---------------|------------|----------|---------------------|
| -0.50 (1.414) | 0.208 | 1.16 | 1.16 |
| -0.25 (1.189) | 0.347 | 1.94 | 3.11 |
| 0.00 (1.000) | 0.678 | 3.79 | 6.90 |
| 0.25 (0.841) | 1.090 | 6.10 | 13.00 |
| 0.50 (0.707) | 0.976 | 5.46 | 18.46 |
| 0.75 (0.595) | 1.177 | 6.59 | 25.05 |
| 1.00 (0.500) | 2.152 | 12.04 | 37.09 |
| 1.25 (0.420) | 1.501 | 8.40 | 45.49 |
| 1.50 (0.354) | 3.113 | 17.42 | 62.91 |
| 1.75 (0.297) | 1.904 | 10.65 | 73.56 |
| 2.00 (0.250) | 2.844 | 15.91 | 89.47 |
| 2.25 (0.210) | 1.126 | 6.30 | 95.78 |
| 2.50 (0.177) | 0.377 | 2.11 | 97.88 |
| 2.75 (0.149) | 0.207 | 1.16 | 99.04 |
| 3.00 (0.125) | 0.121 | 0.68 | 99.72 |
| 3.25 (0.105) | 0.031 | 0.17 | 99.89 |
| 3.50 (0.088) | 0.009 | 0.05 | 99.94 |
| 3.75 (0.074) | 0.005 | 0.03 | 99.97 |
| 4.00 (0.063) | 0.002 | 0.01 | 99.98 |
| 4.25 (0.053) | 0.001 | 0.01 | 99.99 |
| 4.50 (0.044) | 0.001 | 0.01 | 99.99 |
| 4.75 (0.037) | 0.001 | 0.01 | 100.00 |

TOTAL WEIGHT OF SAMPLE IS 17.871 (g)

FOLK & WARD (1957) METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.205 (0.434) | 0.737 (0.600) | -0.222 | 0.938 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

INMAN METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.151 (0.450) | 0.763 (0.589) | -0.215 | 0.536 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

| | | | |
|---------------|-----------------|------------|------------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1ST MOMENT | 2ND MOMENT | 3RD MOMENT | 4TH MOMENT |
| 1.204 (0.434) | 0.729 (0.603) | -0.330 | 2.741 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

PREPARED BY BL ON 01/23/2006

*** GRAIN-SIZE ANALYSES REPORT ***
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WN-19 1.5'

| PHI (MM) | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|---------------|------------|----------|---------------------|
| -0.50 (1.414) | 0.238 | 1.72 | 1.72 |
| -0.25 (1.189) | 0.292 | 2.11 | 3.83 |
| 0.00 (1.000) | 0.465 | 3.36 | 7.18 |
| 0.25 (0.841) | 0.908 | 6.56 | 13.74 |
| 0.50 (0.707) | 0.739 | 5.33 | 19.07 |
| 0.75 (0.595) | 0.860 | 6.21 | 25.28 |
| 1.00 (0.500) | 1.403 | 10.13 | 35.41 |
| 1.25 (0.420) | 0.992 | 7.16 | 42.57 |
| 1.50 (0.354) | 2.134 | 15.41 | 57.98 |
| 1.75 (0.297) | 1.416 | 10.22 | 68.20 |
| 2.00 (0.250) | 2.380 | 17.18 | 85.38 |
| 2.25 (0.210) | 1.080 | 7.80 | 93.18 |
| 2.50 (0.177) | 0.400 | 2.89 | 96.07 |
| 2.75 (0.149) | 0.244 | 1.76 | 97.83 |
| 3.00 (0.125) | 0.155 | 1.12 | 98.95 |
| 3.25 (0.105) | 0.077 | 0.56 | 99.50 |
| 3.50 (0.088) | 0.028 | 0.20 | 99.70 |
| 3.75 (0.074) | 0.011 | 0.08 | 99.78 |
| 4.00 (0.063) | 0.006 | 0.04 | 99.83 |
| 4.25 (0.053) | 0.008 | 0.06 | 99.88 |
| 4.50 (0.044) | 0.005 | 0.04 | 99.92 |
| 4.75 (0.037) | 0.011 | 0.08 | 100.00 |

TOTAL WEIGHT OF SAMPLE IS 13.852 (g)

FOLK & WARD (1957) METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.235 (0.425) | 0.795 (0.576) | -0.221 | 0.949 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

INMAN METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.168 (0.445) | 0.812 (0.570) | -0.250 | 0.583 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

| | | | |
|---------------|-----------------|------------|------------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1ST MOMENT | 2ND MOMENT | 3RD MOMENT | 4TH MOMENT |
| 1.263 (0.417) | 0.800 (0.575) | -0.196 | 2.999 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

PREPARED BY BL ON 01/23/2006

*** GRAIN-SIZE ANALYSES REPORT ***
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WN-19 3.0'

| PHI (MM) | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|---------------|------------|----------|---------------------|
| -0.50 (1.414) | 0.313 | 2.32 | 2.32 |
| -0.25 (1.189) | 0.357 | 2.65 | 4.97 |
| 0.00 (1.000) | 0.600 | 4.45 | 9.41 |
| 0.25 (0.841) | 0.934 | 6.92 | 16.33 |
| 0.50 (0.707) | 0.701 | 5.19 | 21.53 |
| 0.75 (0.595) | 0.787 | 5.83 | 27.36 |
| 1.00 (0.500) | 1.260 | 9.34 | 36.70 |
| 1.25 (0.420) | 0.894 | 6.63 | 43.32 |
| 1.50 (0.354) | 1.926 | 14.27 | 57.60 |
| 1.75 (0.297) | 1.339 | 9.92 | 67.52 |
| 2.00 (0.250) | 2.299 | 17.04 | 84.56 |
| 2.25 (0.210) | 1.139 | 8.44 | 93.00 |
| 2.50 (0.177) | 0.421 | 3.12 | 96.12 |
| 2.75 (0.149) | 0.263 | 1.95 | 98.07 |
| 3.00 (0.125) | 0.161 | 1.19 | 99.26 |
| 3.25 (0.105) | 0.072 | 0.53 | 99.79 |
| 3.50 (0.088) | 0.021 | 0.16 | 99.95 |
| 3.75 (0.074) | 0.000 | 0.00 | 99.95 |
| 4.00 (0.063) | 0.003 | 0.02 | 99.97 |
| 4.25 (0.053) | 0.000 | 0.00 | 99.97 |
| 4.50 (0.044) | 0.003 | 0.02 | 99.99 |
| 4.75 (0.037) | 0.001 | 0.01 | 100.00 |

TOTAL WEIGHT OF SAMPLE IS 13.494 (g)

FOLK & WARD (1957) METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.199 (0.436) | 0.841 (0.558) | -0.251 | 0.900 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

INMAN METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.115 (0.462) | 0.877 (0.545) | -0.287 | 0.516 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

| | | | |
|---------------|-----------------|------------|------------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1ST MOMENT | 2ND MOMENT | 3RD MOMENT | 4TH MOMENT |
| 1.231 (0.426) | 0.828 (0.563) | -0.320 | 2.528 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

PREPARED BY BL ON 01/23/2006

*** GRAIN-SIZE ANALYSES REPORT ***
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WN-19 4.5'

| PHI (MM) | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|--------------|------------|----------|---------------------|
| 0.00 (1.000) | 0.518 | 2.98 | 2.98 |
| 0.25 (0.841) | 0.510 | 2.93 | 5.91 |
| 0.50 (0.707) | 0.537 | 3.09 | 9.00 |
| 0.75 (0.595) | 0.686 | 3.94 | 12.94 |
| 1.00 (0.500) | 1.212 | 6.97 | 19.91 |
| 1.25 (0.420) | 1.116 | 6.41 | 26.32 |
| 1.50 (0.354) | 2.301 | 13.23 | 39.55 |
| 1.75 (0.297) | 2.005 | 11.52 | 51.07 |
| 2.00 (0.250) | 4.114 | 23.65 | 74.72 |
| 2.25 (0.210) | 2.321 | 13.34 | 88.06 |
| 2.50 (0.177) | 0.962 | 5.53 | 93.59 |
| 2.75 (0.149) | 0.614 | 3.53 | 97.12 |
| 3.00 (0.125) | 0.370 | 2.13 | 99.25 |
| 3.25 (0.105) | 0.115 | 0.66 | 99.91 |
| 3.50 (0.088) | 0.007 | 0.04 | 99.95 |
| 3.75 (0.074) | 0.006 | 0.03 | 99.98 |
| 4.00 (0.063) | 0.002 | 0.01 | 99.99 |
| 4.25 (0.053) | 0.000 | 0.00 | 99.99 |
| 4.50 (0.044) | 0.001 | 0.01 | 100.00 |
| 4.75 (0.037) | 0.000 | 0.00 | 100.00 |
| 5.00 (0.031) | 0.000 | 0.00 | 100.00 |
| 5.25 (0.026) | 0.000 | 0.00 | 100.00 |

TOTAL WEIGHT OF SAMPLE IS 17.397 (g)

FOLK & WARD (1957) METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.587 (0.333) | 0.696 (0.617) | -0.300 | 1.233 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; LEPTOKURITIC

INMAN METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.517 (0.349) | 0.657 (0.634) | -0.319 | 0.847 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

MOMENTS METHOD

| | | | |
|---------------|-----------------|------------|------------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1ST MOMENT | 2ND MOMENT | 3RD MOMENT | 4TH MOMENT |
| 1.574 (0.336) | 0.687 (0.621) | -0.542 | 3.093 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

PREPARED BY BL ON 01/23/2006

*** GRAIN-SIZE ANALYSES REPORT ***
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WN-19 6.0'

| PHI (MM) | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|--------------|------------|----------|---------------------|
| 0.00 (1.000) | 0.399 | 2.79 | 2.79 |
| 0.25 (0.841) | 0.482 | 3.38 | 6.17 |
| 0.50 (0.707) | 0.394 | 2.76 | 8.93 |
| 0.75 (0.595) | 0.515 | 3.61 | 12.53 |
| 1.00 (0.500) | 0.924 | 6.47 | 19.00 |
| 1.25 (0.420) | 0.810 | 5.67 | 24.68 |
| 1.50 (0.354) | 1.865 | 13.06 | 37.74 |
| 1.75 (0.297) | 1.685 | 11.80 | 49.53 |
| 2.00 (0.250) | 3.319 | 23.24 | 72.78 |
| 2.25 (0.210) | 1.941 | 13.59 | 86.37 |
| 2.50 (0.177) | 0.844 | 5.91 | 92.28 |
| 2.75 (0.149) | 0.567 | 3.97 | 96.25 |
| 3.00 (0.125) | 0.389 | 2.72 | 98.97 |
| 3.25 (0.105) | 0.123 | 0.86 | 99.83 |
| 3.50 (0.088) | 0.016 | 0.11 | 99.94 |
| 3.75 (0.074) | 0.006 | 0.04 | 99.99 |
| 4.00 (0.063) | 0.000 | 0.00 | 99.99 |
| 4.25 (0.053) | 0.000 | 0.00 | 99.99 |
| 4.50 (0.044) | 0.000 | 0.00 | 99.99 |
| 4.75 (0.037) | 0.000 | 0.00 | 99.99 |
| 5.00 (0.031) | 0.002 | 0.01 | 100.00 |
| 5.25 (0.026) | 0.000 | 0.00 | 100.00 |

TOTAL WEIGHT OF SAMPLE IS 14.281 (g)

FOLK & WARD (1957) METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.615 (0.326) | 0.711 (0.611) | -0.293 | 1.310 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; LEPTOKURITIC

INMAN METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.545 (0.343) | 0.661 (0.632) | -0.317 | 0.896 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

MOMENTS METHOD

| | | | |
|---------------|-----------------|------------|------------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1ST MOMENT | 2ND MOMENT | 3RD MOMENT | 4TH MOMENT |
| 1.606 (0.329) | 0.699 (0.616) | -0.526 | 3.164 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

PREPARED BY BL ON 01/23/2006

*** GRAIN-SIZE ANALYSES REPORT ***
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WN-19 7.5'

| PHI (MM) | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|--------------|------------|----------|---------------------|
| 0.00 (1.000) | 0.602 | 4.37 | 4.37 |
| 0.25 (0.841) | 0.652 | 4.73 | 9.10 |
| 0.50 (0.707) | 0.555 | 4.03 | 13.13 |
| 0.75 (0.595) | 0.665 | 4.83 | 17.95 |
| 1.00 (0.500) | 1.075 | 7.80 | 25.75 |
| 1.25 (0.420) | 0.843 | 6.12 | 31.87 |
| 1.50 (0.354) | 1.882 | 13.66 | 45.53 |
| 1.75 (0.297) | 1.615 | 11.72 | 57.25 |
| 2.00 (0.250) | 3.016 | 21.89 | 79.14 |
| 2.25 (0.210) | 1.554 | 11.28 | 90.41 |
| 2.50 (0.177) | 0.608 | 4.41 | 94.83 |
| 2.75 (0.149) | 0.383 | 2.78 | 97.61 |
| 3.00 (0.125) | 0.244 | 1.77 | 99.38 |
| 3.25 (0.105) | 0.080 | 0.58 | 99.96 |
| 3.50 (0.088) | 0.004 | 0.03 | 99.99 |
| 3.75 (0.074) | 0.002 | 0.01 | 100.00 |
| 4.00 (0.063) | 0.000 | 0.00 | 100.00 |
| 4.25 (0.053) | 0.000 | 0.00 | 100.00 |
| 4.50 (0.044) | 0.000 | 0.00 | 100.00 |
| 4.75 (0.037) | 0.000 | 0.00 | 100.00 |
| 5.00 (0.031) | 0.000 | 0.00 | 100.00 |
| 5.25 (0.026) | 0.000 | 0.00 | 100.00 |

TOTAL WEIGHT OF SAMPLE IS 13.78 (g)

FOLK & WARD (1957) METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.451 (0.366) | 0.741 (0.598) | -0.278 | 1.042 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

INMAN METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.378 (0.385) | 0.730 (0.603) | -0.297 | 0.702 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

MOMENTS METHOD

| | | | |
|---------------|-----------------|------------|------------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1ST MOMENT | 2ND MOMENT | 3RD MOMENT | 4TH MOMENT |
| 1.459 (0.364) | 0.727 (0.604) | -0.457 | 2.680 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

PREPARED BY BL ON 01/23/2006

*** GRAIN-SIZE ANALYSES REPORT ***
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WN-19 9.0'

| PHI (MM) | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|--------------|------------|----------|---------------------|
| 0.00 (1.000) | 0.111 | 0.79 | 0.79 |
| 0.25 (0.841) | 0.267 | 1.90 | 2.69 |
| 0.50 (0.707) | 0.285 | 2.03 | 4.72 |
| 0.75 (0.595) | 0.378 | 2.69 | 7.41 |
| 1.00 (0.500) | 0.619 | 4.41 | 11.82 |
| 1.25 (0.420) | 0.556 | 3.96 | 15.77 |
| 1.50 (0.354) | 1.469 | 10.46 | 26.23 |
| 1.75 (0.297) | 1.643 | 11.69 | 37.92 |
| 2.00 (0.250) | 4.093 | 29.13 | 67.06 |
| 2.25 (0.210) | 2.359 | 16.79 | 83.85 |
| 2.50 (0.177) | 0.899 | 6.40 | 90.25 |
| 2.75 (0.149) | 0.627 | 4.46 | 94.71 |
| 3.00 (0.125) | 0.479 | 3.41 | 98.12 |
| 3.25 (0.105) | 0.219 | 1.56 | 99.68 |
| 3.50 (0.088) | 0.023 | 0.16 | 99.84 |
| 3.75 (0.074) | 0.015 | 0.11 | 99.95 |
| 4.00 (0.063) | 0.003 | 0.02 | 99.97 |
| 4.25 (0.053) | 0.004 | 0.03 | 100.00 |
| 4.50 (0.044) | 0.000 | 0.00 | 100.00 |
| 4.75 (0.037) | 0.000 | 0.00 | 100.00 |
| 5.00 (0.031) | 0.000 | 0.00 | 100.00 |
| 5.25 (0.026) | 0.000 | 0.00 | 100.00 |

TOTAL WEIGHT OF SAMPLE IS 14.049 (g)

FOLK & WARD (1957) METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.788 (0.290) | 0.590 (0.664) | -0.189 | 1.421 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; LEPTOKURITIC

INMAN METHOD

| | | | |
|---------------|-----------------|----------|----------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1.756 (0.296) | 0.500 (0.707) | -0.196 | 1.244 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; LEPTOKURITIC

MOMENTS METHOD

| | | | |
|---------------|-----------------|------------|------------|
| MEAN PHI (MM) | SORTING PHI(MM) | SKEWNESS | KURTOSIS |
| 1ST MOMENT | 2ND MOMENT | 3RD MOMENT | 4TH MOMENT |
| 1.773 (0.293) | 0.621 (0.650) | -0.552 | 3.879 |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; LEPTOKURITIC

PREPARED BY BL ON 01/23/2006